FIRE LOSSES IN BRITISH COLUMBIA IN 1985

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SUMMARY OF FIRE LOSSES IN BRITISH COLUMBIA, 1985

Last year British Columbia had the lowest number of fire deaths in thirty-two years. Sixty persons died and 398 were injured as a result of 8285 fires in 1985, causing total dollar loss of $131,932,474. The losses for the last seven years have been as follows:

Year	Number of Fires	$ Loss (millions)	$ Loss (Millions) Adjusted for Inflation to 1981 Constant $	Number Injured	Number Dead
1985	8,285	131.9	105.4	398	60
1984	7,237	108.9	89.8	396	79
1983	7,724	131.7	112.9	404	83
1982	7,623	157.3	142.4	375	73
1981	7,021	116.0	116.0	244	76
1980	7,661	108.4	123.9	305	89
1979	7,656	105.9	132.4	444	125

The appreciable increase in the number of fires was largely due to better reporting by insurance companies brought about by the introduction of a special Insurance Fire Report form. The average loss per fire for the province in 1985 was $15,924 and the per capita loss was $45.61. There was an average of 2.86 fires for every 1,000 persons in British Columbia.

Fire Fatalities

Thirty-seven men, 19 women and 4 children lost their lives as a result of fire last year. Four of these 60 deaths occurred on Indian reserves.

- 16 of the 60 fire fatalities were over 60 years of age.
- 3 of the 4 children that died from fire, were 10 years old or younger.
- 19 fire fatalities resulted from careless smoking. (In 1984, 32 people died from fires resulting from careless smoking)
- at least 16 persons who died were impaired by alcohol, drugs or medication.
- 5 persons were killed as a result of arson or suspected arson.
- 16 persons who died from fire were asleep at the time of the fire.

Residential Fires

Thirty-four percent of fires were in one and two family dwellings, resulting in a total loss of $49.7 million. A further seven percent of the fires were in apartment buildings with a loss of $8.3 million. These two residential categories accounted for forty-one percent of the total number of fires and forty-four percent of the total 1985 fire losses in the province.

Fifty-eight of the 60 fire fatalities, or 97 percent, occurred in residential fires, including hotels and mobile homes. Nineteen of the 41 fire deaths in one or two-family dwellings, and 10 of the 12 fire deaths in apartment buildings, occurred between 10 p.m. and 7 a.m.

The fire experience in one and two family dwellings and apartment buildings indicates significant differences between the two groups. See chart below. Asterisks highlight differences.

Comparison of One and Two Family Dwellings and Apartment Fire Incidents

	1- and 2- Family	Apartment Building	
Total number of fires in property group	2,848	554	
Cooking Fires	630	121	
As a percentage of all fires in property group	22.1%	21.8%	
As a percentage of total $ loss in property group	25.6%	14.1%	
No. of fatalities over total in property group	4/41	0/12	
Heating Equipment Fires	803	18	
As a percentage of all fires in property group	28.1%	3.2%	*
As a percentage of total $ loss in property group	25.6%	1.8%	*
No. of fatalities over total in property group	12/41	0/12	*
Smokers Material Fires	217	155	
As a percentage of all fires in property group	7.6%	27.9%	*
As a percentage of total $ loss in property group	7.2%	16.7%	*
No. of fatalities over total in property group	13/41	5/12	*
Arson Fires	226	102	
As a percentage of all fires in property group	7.9%	18.4%	*
As a percentage of total $ loss in property group	12.7%	15.1%	
No. of fatalities over total in property group	1/41	0/12	

Heating equipment fires accounted for more than 28% of the fires in one and two family dwellings, but only 3.2% in apartment building fires.

Of all heating equipment fires in one and two family dwellings, more than 76% were related to the use of solid-fuel. The igniting objects (sources of ignition) for these solid-fuel fires were:

Igniting Object	Fires	Injuries	Dead	$ Loss
Central heating unit	20	0	0	690,695
Space heater	195	4	1	1,733,688
Fireplace	193	5	0	1,789,050
Masonry chimney	143	1	1	1,353,813
Factory-built metal chimney	101	6	6	2,392,531
Flue connector	33	3	1	748,699
Heating equipment - other	15	0	0	335,608
1985 Total	610	19	9	9,044,084
1984 Total (for comparison)	420	9	2	5,633,092

The largest life-loss fire last year, in which six people lost their lives, was caused by an improperly installed venting system serving a solid-fuelled stove. The venting system consisted of a single-wall stove pipe that went all the way through the ceiling up to a few inches below the roof. At that point, it connected to a single 18" long section of insulated metal chimney (A type). Clearances to combustibles at the ceiling and roof levels were believed to be insufficient.

Smokers materials accounted for about 7.6% of one and two-family dwelling fires but 27.9% for apartment fires.

The rate of arson in apartment buildings was more than twice that in one and two-family dwellings.

Educational Institutions

There were 68 fires in educational institutions in 1985 resulting in a loss of $4,744,228. Until last year, the number of fires in educational institutions had been reducing since 1979. See table below.

Year	Number	$ Loss (million)	$ Loss (millions) Adjusted by C.P.I.
1985	68	4.7	3.8
1984	56	0.7	0.6
1983	63	3.9	3.3
1982	77	3.6	3.3
1981	84	1.8	1.8
1980	94	8.3	9.5
1979	125	9.3	11.6

59 percent of the fires in educational institutions were incendiary in nature. This high percentage is consistent with previous years.

Automobile Fires

There were 2,113 automobile fires in British Columbia in 1985. These fires accounted for 26 percent of the number of fires in 1985 causing a loss of about $3.7 million.

Large Dollar-Loss Fires

There were 27 fires in which the individual losses exceeded $500,000 each. Although they accounted for one third of one percent of the total fires, they were responsible for $26.4 million, constituting 20 percent of the province's annual dollar losses. Four of the fires in this large loss category were a result of arson or suspected arson and caused a loss of $4.1 million.

Arson

1,201 fires out of the total 8,285 (14.5%) fires in 1985 were deliberately set, causing a loss of $22 million (16% of dollar losses). In 1984, 1274, or 17.6% of total fires were 'set' and caused a loss of $22 million (20% of dollar loss).

The number of arson fires in 1985 was the lowest since 1973 when there were 1092 arson fires. The percentage of arson fires over the total number of fires peaked in 1976 at 23.3%

376 of the 1201 (31%) arson incidents were classified as vandalism or mischief. This category has historically accounted for the bulk of arson incidents. A breakdown of the arson incidents is as follows:

Act or Omission	Incidents	Injured	Dead	$ Loss
Arson for financial gain	34	0	1	955,997
Arson as a cover-up crime	137	6	0	2,961,146
Arson - political, religious motive	8	0	0	340,412
Arson for revenge, spite	22	3	0	678,067
Arson - mental disorder, suicide	22	1	0	435,834
Arson - vandalism, mischief	376	12	0	4,834,544
Arson - intimidation	2	0	0	2,144
Arson - motive unknown	258	17	0	4,713,639
Suspected Arson - motive unknown	342	16	2	6,867,694
	1,201	55	3	21,789,477

The frequency of arson is heaviest in the urban areas: 28% of fires in Vancouver (City) were arson compared to about 10% in the interior and northern regions of the province.

Seventy six adults and 45 juveniles were charged in arson-related incidents in 1985 according to statistics compiled by the Ministry of Attorney General.

Gordon R. Anderson
Fire Commissioner

FIRE LOSSES IN MUNICIPAL AND NON-MUNICIPAL AREAS, 1985

Loc. Code	Location	Population	Fires	Inj	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
	MUNICIPALITIES								
DAB	Abbotsford	14,394	82	0	1	725,524	8,848	50.40	5.70
VAL	Albert Bay	652	0	0	0	0			0.00
CAR	Armstrong	2,733	7	0	0	132,353	18,908	48.43	2.56
VAS	Ashcroft	2,055	4	0	0	448,429	112,107	218.21	1.95
VBE	Belcarra	546	1	0	0	7,844	7,844	14.37	1.83
DBU	Burnaby	143,149	310	10	5	2,996,469	9,666	20.93	2.17
VBU	Burns Lake	1,803	3	0	0	47,749	15,916	26.48	1.66
VCA	Cache Creek	1,312	4	0	0	152,601	38,150	116.31	3.05
DCA	Campbell River	16,928	55	1	2	772,862	14,052	45.66	3.25
CCA	Castlegar	6,780	8	0	0	13,866	1,733	2.05	1.18
DCE	Central Saanich	11,118	5	0	0	109,277	21,855	9.83	0.45
VCH	Chase	1,939	4	0	0	2,789	697	1.44	2.06
VCD	Chetwynd	2,995	13	0	0	166,139	12,780	55.47	4.34
DCH	Chilliwack	41,649	125	1	1	2,466,850	19,735	59.23	3.00
VCL	Clinton	775	1	0	0	200,000	200,000	258.06	1.29
DCO	Coldstream	7,221	9	0	0	26,100	2,900	3.61	1.25
CCL	Colwood	11,164	0	0	0	0			0.00
TCO	Comox	6,869	8	0	0	42,393	5,299	6.17	1.16
DCQ	Coquitlam	67,870	144	2	0	1,528,184	10,612	22.52	2.12
CCO	Courtenay	10,021	37	0	0	110,683	2,991	11.05	3.69
CCR	Cranbrook	16,597	37	1	0	258,240	6,979	15.56	2.23
TCR	Creston	4,310	14	1	0	8,565	612	1.99	3.25
VCU	Cumberland	2,131	2	0	0	152,767	76,384	71.69	0.94
CDA	Dawson Creek	11,169	34	0	1	294,450	8,660	26.36	3.04
DDE	Delta	75,405	157	1	0	2,170,757	13,826	28.79	2.08
CDU	Duncan	4,120	50	0	0	210,961	4,219	51.20	12.14
DEL	Elkford	4,003	9	0	0	79,628	8,848	19.89	2.25
CEN	Enderby	1,852	3	0	0	409,275	136,425	220.99	1.62
DES	Esquimalt	16,323	30	2	0	262,416	8,747	16.08	1.84
CFE	Fernie	5,480	22	3	0	387,410	17,610	70.70	4.01
VFO	Fort Nelson	3,565	19	3	0	1,311,711	69,037	367.94	5.33
VSJ	Fort St. James	2,323	5	0	1	782,440	156,488	336.82	2.15
CJO	Fort St. John	13,493	23	0	0	194,723	8,466	14.43	1.70
VFL	Fraser Lake	1,475	0	0	0	0			0.00
VFR	Fruitvale	1,979	3	0	0	54,472	18,157	27.53	1.52
VGL	Gibsons	2,703	11	0	0	70,309	6,392	26.01	4.07
VGO	Gold River	2,230	5	0	0	12,257	2,451	5.50	2.24
TGO	Golden	3,596	11	0	0	743,525	67,593	206.76	3.06
CGF	Grand Forks	3,286	17	1	0	96,837	5,696	29.47	5.17
VGI	Granisle	1,053	1	0	0	10,000	10,000	9.50	0.95
CGR	Greenwood	837	1	0	0	20,000	20,000	23.89	1.19
VHH	Harrison Hot Springs	631	1	0	0	646	646	1.02	1.58
VHA	Hazelton	394	0	0	0	0			0.00
THO	Hope	3,267	3	0	0	18,119	6,040	5.55	0.92
DHO	Houston	4,117	6	0	0	123,441	20,574	29.98	1.46
DHH	Hudson Hope	1,086	0	0	0	0			0.00
VIN	Invermere	2,085	3	0	0	9,190	3,063	4.41	1.44
CKA	Kamloops	63,959	218	7	1	1,359,639	6,237	21.26	3.41
VKA	Kaslo	942	5	0	0	132,600	26,520	140.76	5.31
CKE	Kelowna	61,578	183	1	0	1,248,450	6,822	20.27	2.97
DKE	Kent	3,672	12	0	0	399,058	33,255	108.68	3.27
VKE	Keremeos	852	13	0	0	106,271	8,175	124.73	15.26
CKI	Kimberley	7,308	12	0	0	216,469	18,039	29.62	1.64
DKI	Kitimat	12,911	33	1	0	103,939	3,150	8.05	2.56
TLA	Ladysmith	4,569	21	0	0	186,802	8,895	40.88	4.60
VLC	Lake Cowichan	2,369	15	0	0	141,162	9,411	59.59	6.33
CLA	Langley City	16,540	55	16	0	332,620	6,048	20.11	3.33
DLA	Langley District	50,618	157	10	0	3,432,651	21,864	67.81	3.10
VLI	Lillooet	1,804	4	0	2	82,912	20,728	45.96	2.22
VLB	Lions Bay	1,124	2	0	0	91,616	45,808	81.51	1.78
VLL	Logan Lake	2,647	3	0	0	5,850	1,950	2.21	1.13
VLU	Lumby	1,352	4	1	0	17,165	4,291	12.70	2.96
VLY	Lytton	399	3	0	0	45,389	15,130	113.76	7.52
DMA	Mackenzie	5,721	15	0	0	549,529	36,635	96.05	2.62

FIRE LOSSES IN MUNICIPAL AND NON-MUNICIPAL AREAS, 1985

Loc. Code	Location	Population	Fires	Inj	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
DMR	Maple Ridge	33,925	91	11	2	3,547,654	38,985	104.57	2.68
VMA	Masset	1,521	2	0	0	41,500	20,750	27.28	1.31
DMT	Matsqui	49,632	120	11	1	1,890,128	15,751	38.08	2.42
VMB	McBride	628	0	0	0	0			0.00
CME	Merritt	6,015	25	1	2	144,395	5,776	24.01	4.16
TME	Metchosin	3,464	0	0	0	0			0.00
VMI	Midway	654	0	0	0	0			0.00
DMI	Mission	21,581	67	3	0	1,253,912	18,715	58.10	3.10
VMO	Montrose	1,246	1	0	0	1,000	1,000	0.80	0.80
VNA	Nakusp	1,451	4	1	1	55,036	13,759	37.93	2.76
CNA	Nanaimo	50,440	177	11	0	1,556,903	8,796	30.87	3.51
CNE	Nelson	9,055	26	3	0	323,351	12,437	35.71	2.87
VND	New Denver	643	2	0	0	19,799	9,900	30.79	3.11
DNH	New Hazelton	813	0	0	0	0			0.00
CNW	New Westminster	40,977	124	4	1	763,918	6,161	18.64	3.03
DNC	North Cowichan	18,980	53	2	0	673,180	12,702	35.47	2.79
DNS	North Saanich	6,645	11	0	0	422,450	38,405	63.57	1.66
CNO	North Vancouver City	34,580	75	3	1	1,799,294	23,991	52.03	2.17
DNV	North Vancouver District	66,696	140	3	2	1,347,855	9,628	20.21	2.10
DOB	Oak Bay	16,835	26	0	0	150,795	5,800	8.96	1.54
VOL	Oliver	1,923	6	0	0	27,325	4,554	14.21	3.12
VHM	One Hundred Mile House	1,927	7	0	0	76,475	10,925	39.69	3.63
VOS	Osoyoos	2,955	11	0	0	421,861	38,351	142.76	3.72
TPA	Parksville	5,820	28	0	0	161,690	5,775	27.78	4.81
DPE	Peachland	3,046	12	0	0	116,299	9,692	38.18	3.94
VPE	Pemberton	347	7	0	0	74,900	10,700	215.85	20.17
CPE	Penticton	23,904	69	0	0	824,463	11,949	34.49	2.89
DPI	Pitt Meadows	8,067	24	2	0	365,303	15,221	45.28	2.98
CPA	Port Alberni	19,104	98	11	1	1,527,489	15,587	79.96	5.13
VPO	Port Alice	1,609	5	0	0	121,582	24,316	75.56	3.11
VPL	Port Clements	459	0	0	0	0			0.00
CPC	Port Coquitlam	28,515	59	0	0	796,658	13,503	27.94	2.07
VPD	Port Edward	742	5	1	0	148,886	29,777	200.65	6.74
DPH	Port Hardy	5,636	3	0	0	22,909	7,636	4.06	0.53
VPM	Port McNeil	2,733	5	0	0	103,724	20,745	37.95	1.83
CPO	Port Moody	15,167	24	5	0	273,496	11,396	18.03	1.58
VPC	Pouce Coupe	809	7	0	0	136,960	19,566	169.30	8.65
DPR	Powell River	13,137	39	3	1	525,577	13,476	40.01	2.97
CPG	Prince George	68,975	250	4	0	3,127,295	12,509	45.34	3.62
CPR	Prince Rupert	16,692	12	0	2	2,423,815	201,985	145.21	0.72
TPR	Princeton	3,046	10	0	0	141,015	14,102	46.30	3.28
VQB	Qualicum Beach	3,336	10	0	0	374,391	37,439	112.23	3.00
CQU	Quesnel	8,781	25	1	0	454,158	18,166	51.72	2.85
CRE	Revelstoke	8,816	25	2	0	196,120	7,845	22.25	2.84
DRI	Richmond	104,094	195	11	0	2,149,936	11,025	20.65	1.87
CRO	Rossland	3,936	2	0	0	56,881	28,441	14.45	0.51
DSA	Saanich	80,734	140	11	0	1,801,860	12,870	22.32	1.73
VSA	Salmo	1,109	3	0	0	86,615	28,872	78.10	2.71
DSM	Salmon Arm	11,422	38	1	0	237,821	6,258	20.82	3.33
VSD	Sayward	538	1	0	0	3,000	3,000	5.58	1.86
VSE	Sechelt	1,271	2	0	0	124,000	62,000	97.56	1.57
TSI	Sidney	8,932	23	0	1	330,156	14,355	36.96	2.58
VSI	Silverton	277	0	0	0	0			0.00
VSL	Slocan	349	2	0	0	66,650	33,325	190.97	5.73
TSM	Smithers	5,102	15	0	0	116,567	7,771	22.85	2.94
DSP	Spallumcheen	4,502	3	0	0	560,000	186,667	124.39	0.67
DSD	Sparwood	4,913	15	3	1	329,378	21,959	67.04	3.05
DSQ	Squamish	10,344	34	2	0	149,337	4,392	14.44	3.29
DST	Stewart	1,256	0	0	0	0			0.00
DSL	Summerland	7,791	17	2	0	295,022	17,354	37.87	2.18
DSY	Surrey	174,083	413	12	3	4,793,172	11,606	27.53	2.37
VTA	Tahsis	1,749	1	0	0	900	900	0.51	0.57
VTR	Taylor	858	4	0	0	19,058	4,765	22.21	4.66
VTE	Telkwa	874	2	0	0	7,617	3,809	8.72	2.29
DTE	Terrace	10,755	30	3	1	524,619	17,487	48.78	2.79
VTO	Tofino	1,092	4	4	0	58,465	14,616	53.54	3.66
CTR	Trail	9,133	22	1	0	363,844	16,538	39.84	2.41
DTU	Tumbler Ridge	4,800	19	3	0	306,031	16,107	63.76	3.96
VUC	Ucluelet	1,558	4	0	0	127,410	31,853	81.78	2.57
VVA	Valemount	1,255	8	0	0	149,129	18,641	118.83	6.37

FIRE LOSSES IN MUNICIPAL AND NON-MUNICIPAL AREAS, 1985

Loc. Code	Location	Population	Fires	Inj	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
CVA	Vancouver	423,491	1,443	140	8	16,796,170	11,640	39.66	3.41
VVF	Vanderhoof	3,800	5	0	0	43,003	8,601	11.32	1.32
CVE	Vernon	21,059	63	0	0	2,302,469	36,547	109.33	2.99
CVI	Victoria	66,821	203	10	2	3,134,428	15,441	46.91	3.04
VWA	Warfield	1,954	0	0	0	0			0.00
DWV	West Vancouver	35,528	108	3	1	919,367	8,513	25.88	3.04
DWH	Whistler	2,634	20	0	0	718,819	35,941	272.90	7.59
CWR	White Rock	14,121	36	1	0	344,738	9,576	24.41	2.55
CWI	Williams Lake	10,341	41	1	0	391,278	9,543	37.84	3.96
VZE	Zeballos	269	1	0	0	30,000	30,000	111.52	3.72
	NON-MUNICIPAL AREAS BY REGIONAL DISTRICTS								
RAC	Alberni-Clayoquot	10,044	31	1	0	795,723	25,668	79.22	3.09
RBN	Bulkley-Nechako	19,986	54	5	7	2,228,324	41,265	111.49	2.70
RCA	Capital	41,144	134	7	1	2,014,900	15,037	48.97	3.26
RCB	Cariboo	41,269	159	7	1	4,580,964	28,811	111.00	3.85
RCC	Central Coast	3,386	10	0	0	99,704	9,970	29.45	2.95
RCF	Central Fraser Valley	506	18	0	0	136,032	7,557	268.84	35.57
RCK	Central Kootenay	27,681	73	2	0	2,014,880	27,601	72.79	2.64
RCO	Central Okanagan	24,551	54	0	0	639,971	11,851	26.07	2.20
RCL	Columbia-Shuswap	19,198	86	1	0	4,212,736	48,985	219.44	4.48
RCS	Comox-Strathcona	33,498	75	1	2	2,399,973	32,000	71.65	2.24
RCV	Cowichan Valley	24,781	77	0	0	2,843,150	36,924	114.73	3.11
RDA	Dewdney-Alouette	3,790	4	0	0	44,481	11,120	11.74	1.06
REK	East Kootenay	16,958	68	1	0	1,314,004	19,324	77.49	4.01
RFC	Fraser-Cheam	10,608	60	0	0	1,151,649	19,194	108.56	5.66
RFG	Fraser-Fort George	14,049	91	1	0	2,559,801	28,130	182.21	6.48
RGV	Greater Vancouver	9,518	51	1	0	433,736	8,505	45.57	5.36
RKI	Kitimat-Stikine	16,550	43	0	1	1,988,193	46,237	120.13	2.60
RKO	Kootenay-Boundary	9,961	21	0	0	285,881	13,613	28.70	2.11
RMW	Mount Waddington	4,698	22	0	1	664,897	30,223	141.53	4.68
RNA	Nanaimo	23,560	57	0	0	969,824	17,014	41.16	2.42
RNO	North Okanagan	18,626	43	3	0	905,051	21,048	48.59	2.31
ROS	Okanagan-Similkameen	19,456	51	0	1	803,645	15,758	41.31	2.62
RPL	Peace River-Liard	20,545	119	3	0	3,253,465	27,340	158.36	5.79
RPR	Power River	5,846	20	3	0	717,564	35,878	122.74	3.42
RSC	Skeena-Queen Charlotte	5,126	13	0	0	259,750	19,981	50.67	2.54
RSL	Squamish-Lillooet	5,582	24	0	0	824,326	34,347	147.68	4.30
RST	Stikine	1,944	5	0	0	86,400	17,280	44.44	2.57
RSU	Sunshine Coast	12,579	35	0	0	1,138,789	32,537	90.53	2.78
RTN	Thompson-Nicola	23,140	143	10	1	2,708,987	18,944	117.07	6.18
	PROVINCE OF BRITISH COLUMBIA	2,892,500	8,285	398	60	131,932,474	15,924	45.61	2.86

FIRE LOSSES AND CASUALTIES BY MONTH, 1985

MONTH	FIRES	$ LOSS	INJURED	DEAD
January	700	$12,953,055	32	5
February	617	$9,737,857	35	5
March	712	$10,377,615	32	4
April	680	$11,882,843	43	10
May	675	$10,912,952	30	5
June	686	$9,101,335	23	2
July	788	$13,651,645	36	4
August	650	$8,967,187	33	2
September	627	$9,238,450	26	5
October	628	$10,126,692	21	8
November	845	$13,084,330	60	4
December	677	$11,898,513	27	6
1985 Total	8,285	$131,932,474	398	60

STATUS, AGE AND SEX OF CASUALTIES, 1985

	FIRES	INJURED	DEAD
STATUS OF CASUALTY			
Firefighter	76	114	1
Civilian	267	282	59
Unknown	2	2	
AGE OF CASUALTY			
Unknown	25	26	
Birth - 2 years	4	3	1
3-4 years	8	6	2
5-6 years	2	2	
7-8 years	2	2	
9-10 years	3	3	
11-12 years	6	6	1
13-14 years	5	5	
15-16 years	7	7	
17-18 years	10	10	1
19-20 years	9	8	1
21-30 years	89	92	13
31-40 years	86	95	7
41-50 years	66	59	13
51-60 years	37	37	5
61-70 years	31	24	7
71-80 years	13	10	5
81-90 years	7	3	4
SEX OF CASUALTY			
Male	261	307	40
Female	100	91	20

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
AO	ACT OR OMISSION				
A0000	Act or omission unknown	1,341	45	11	45,131,957
	Incendiary or Set Fires				
A0011	Arson or set fire - financial gain	34		1	955,997
A0012	Arson or set fire - cover-up crime	137	6		2,961,146
A0013	Arson or set fire - political, religious, riot, civil commotion	8			340,412
A0014	Arson or set fire - revenge , spite	22	3		678,067
A0015	Arson or set fire - mental disorder, attempted suicide, suicide	22	1		435,834
A0016	Arson or set fire - vandalism mischief	376	12		4,834,544
A0017	Arson or set fire - intimidation	2			2,144
A0018	Arson or set fire - motive unknown or unclassified	258	17		4,713,639
A0019	Suspected set fire - motive unknown or unclassified	342	16	2	6,867,694
	Misuse of Source of Ignition				
A0021	Smokers' material	628	57	14	6,793,363
A0022	Thawing	43	2		616,137
A0023	Inadequate control of 'open' fire	92	3		876,836
A0024	Child playing with matches,lighter etc	139	9	1	1,602,358
A0025	Welding or cutting too close	48	3		2,201,333
A0026	Torch too close	55	4		1,042,219
A0029	Misuse of source of ignition - unclassified	42	1		454,284
	Misuse of Material Ignited				
A0031	Fuel spilled accidentally	46	11		417,610
A0032	Improper fuelling technique	27	8		106,721
A0033	Flammable liquid to kindle fire	2			4,195
A0034	Cleaning, washing parts	12	2	1	22,840
A0035	Improper container, metal	1			4,000
A0036	Improper container, plastic	13			197,553
A0037	Combustible placed too close to heat	103	12	2	2,058,760
A0038	Improper storage	32			724,197
A0039	Misuse of material ignited - unclassified	30	4		1,072,355
	Mechanical or Electrical Failure				
A0041	Part failure, leak, break	864	19	2	7,241,124
A0042	Automatic control failure	62	1		393,912
A0043	Manual control failure	6			145,302
A0044	Electrical short circuit	871	29	4	7,839,299
A0046	Part worn out	47			110,439
A0049	Mechanical or electrical failure unclassified	378	4		3,997,831
	Construction, Design or Installation Deficiency				
A0051	Design deficiency	38	1		1,072,055
A0052	Construction deficiency	94	3	1	1,480,210
A0053	Installed too close to combustible	164	9	7	2,652,871
A0054	Other installation deficiency	49			1,589,330
A0055	Overfusing	5			207,482
A0056	Suspected faulty connections involving aluminum wiring	13			150,225
A0057	Suspected faulty connections involving copper wiring	7			170,326
A0059	Construction design or installation deficiency - unclassified	36	3		516,150

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Misuse of Equipment				
A0061	Overfuelling	25		1	104,363
A0069	Misuse of equipment - unclassified	53	1		468,656
	Human Failing				
A0071	Asleep	53	12	3	529,195
A0072	Temporary loss of judgement suspected (includes panic)	13	1		49,972
A0073	Physical or mental disability	4			700
A0074	Accident	269	14	1	3,392,110
A0075	Suspected impairment by use of alcohol, drugs or medication	39	8	4	879,970
A0076	Asleep - suspected use of alcohol, drugs or medication	29	7	3	575,671
A0077	Ignorance of hazard	463	33		5,636,254
A0078	Distracted, preoccupied	324	23		1,768,372
A0079	Human failing - unclassified	117	6	2	1,074,349
	Vehicle Accident				
A0081	Automobile accident	32			100,134
A0082	Industrial truck accident	4			120,000
A0083	Other road vehicle accident	3			6,912
A0084	Rail vehicle accident	2			2,195
A0085	Watercraft accident	6	1		61,780
A0089	Vehicle accident - unclassified	21			168,802
	Miscellaneous Act or Omission				
A0091	Chimney fire (masonry)	71			237,651
A0092	Chimney fire (factory-built)	24			175,886
A0099	Misc. act or omission unclassified	244	7		3,896,751
	TOTALS	8,285	398	60	131,932,474
BH	BUILDING HEIGHT				
BH000	Building height unknown	272	1		1,472,785
BH001	01 storey or 3m	2,577	119	33	50,713,593
BH002	02 stories or 6m	1,465	139	13	47,507,344
BH003	03 to 04 stories or 9m to 12m	441	70	7	15,226,720
BH004	05 to 06 stories or 15m to 18m	50	8	1	322,940
BH005	07 to 12 stories or 21m to 36m	59	12	4	666,838
BH006	13 to 24 stories or 40m to 73m	36	2		451,012
BH007	25 to 49 stories or 75m to 149m	9	8		225,764
BH009	Not applicable eg vehicle outside area, etc.	3,376	39	2	15,345,478
	TOTALS	8,285	398	60	131,932,474
FH	FORM OF HEAT				
FH000	Form of heat unknown	2,904	71	12	57,057,167
FH001	Spark: Ember	290	22		6,693,576
FH002	Spark: Electrical	1,101	40	7	13,360,934
FH003	Spark: Static electrical	42	1		453,016
FH004	Direct flame, flue gases	1,623	109	7	24,702,393
FH005	Friction heat	70			997,924
FH006	Hot object, direct heat by conduction or radiation	1,504	94	19	18,508,764
FH007	Spontaneous ignition	83	5		2,106,272
FH008	Heat from smoker's material	604	52	15	6,628,464
FH009	Form of heat - unclassified	64	4		1,423,964
	TOTALS	8,285	398	60	131,932,474

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
FS	FIRE SERVICE				
FS000	Fire service unknown	1,651	4		7,803,779
FS001	Full time fire department	2,985	217	21	39,077,775
FS002	Volunteer fire department	846	31	12	24,075,734
FS003	Combined full time and volunt fire department	2,330	120	18	42,594,107
FS004	Police acting as full time firefighers	25	2		244,909
FS006	Combined police and volunteer firefighters	7	1		165,489
FS007	Fire service - contract to others	13	1		679,297
FS008	No fire service	397	20	9	16,126,889
FS009	Fire service - unclassified	31	2		1,164,495
	TOTALS	8,285	398	60	131,932,474
FU	FUEL OR ENERGY				
FU000	Fuel or energy unknown	1,526	73	11	46,345,692
FU001	Coal, wood	1,399	52	11	25,366,719
FU002	Fuel, kerosene	116	5	1	2,866,242
FU003	Gasoline	1,219	29	1	5,982,848
FU004	Natural gas or other fuel gas	403	34	2	8,019,210
FU005	Cigarette, cigar, pipe, match, lighter	988	84	22	11,984,264
FU006	Electricity	2,015	97	11	21,846,825
FU007	Lightning	10	1		171,840
FU008	Exposure fire	229	3		2,666,797
FU009	Fuel or energy - unclassified	380	20	1	6,682,037
	TOTALS	8,285	398	60	131,932,474
ID	INITIAL DETECTION				
ID000	Initial detection unknown	1,680	6		8,792,509
ID001	Smoke alarm device	153	17	3	2,437,704
ID002	Smoke detector device	72	6		1,132,221
ID003	Heat alarm device	15	2		1,203,196
ID004	Heat detector device	16		1	1,176,095
ID005	Automatic sprinkler system	32	1		288,755
ID006	Automatic system - other than sprinkler	7			14,250
ID007	Visual sighting	6,201	363	56	114,058,684
ID008	None	59			1,293,074
ID009	Initial detection - unclassified	50	3		1,535,986
	TOTALS	8,285	398	60	131,932,474
IG	IGNITING OBJECT (SOURCE OF IGNITION)				
IG000	Igniting object unknown	1,482	72	11	48,146,285
IG001	No igniting object	88	1	1	2,949,314
	Cooking Equipment				
IG002	Stove, range: Top burner area - fire in pan	404	22	1	2,428,429
IG003	Stove, range: Top burner area - fire in deep fat fryer or pot	187	27	2	1,920,872
IG004	Stove, range: Top burner area - other circumstances	86	7	2	556,615
IG005	Oven of stove, range	43			145,951
IG006	Chafing dish, fondue	5	4		10,498
IG007	Deep fat fryer - separate appliance	16			156,439
IG011	Fry pans, grills not on stove	9			18,577

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
IG012	Other cooking unit	18	2		360,464
IG013	Open fired broiler - fixed type	3			24,218
IG014	Open fired broiler - portable type	41	4		381,695
IG015	Food warming appliance	31			276,626
IG016	Toaster, waffle iron	11			87,076
IG019	Cooking equipment - unclassified	23	1		287,053
	Heating Equipment				
IG021	Central heating unit	109	4		3,120,760
IG022	Service water heater	47	6	1	911,030
IG023	Space heater - stationary	185	9	1	3,736,035
IG024	Space heater - portable	82	10	2	1,502,045
IG025	Fireplace	207	6		1,822,444
IG026	Chimney, masonry	169	1	1	1,616,423
IG027	Flue pipe, vent connector	45	3	1	835,344
IG028	Chimney, factory-built, metal	124	6	6	2,841,399
IG029	Heating equipment - unclassified	49			1,808,870
	Appliances				
IG031	Television	16	8		329,469
IG032	Radio, phonograph, tape-recorder	7	2		42,028
IG033	Clothes dryer	69	5		683,343
IG034	Washing machine	6			105,894
IG035	Air conditioning and refrigeration: Central	3			21,170
IG037	Refrigeration unit: Individual	23			220,864
IG038	Pressing iron, ironing machine	8			26,291
IG039	Portable generator	2			16,419
IG041	Lawnmower	3	1		1,100
IG042	Snow blower	1			1,500
IG043	Electric blanket, heating pad	13			79,288
IG044	Incinerator	2			1,000
IG049	Appliance - unclassified	44	4		3,520,897
	Electrical Distribution Equipment				
IG051	Electrical wiring, cable: Permanent	579	17	2	6,835,883
IG052	Transformer	6			11,711
IG053	Switch gear	2			1,850
IG054	Panelboard, switchboard	32			174,418
IG055	Switch, outlet	28		2	337,015
IG056	Electric, wiring, cable: Temporary	108	4		1,583,288
IG057	Signal, telephone equipment	4			4,770
IG058	Battery, rectifier, charger	190			560,611
IG059	Electrical distribution equipment - unclassified	62		1	606,524
	Other Electrical Equipment				
IG061	Electric motor: 1 hp and over	31	1		82,802
IG062	Electric motor: Under 1 h.p.	19	1		113,893
IG063	Electronic equipment: Communications	1			1,381
IG064	Electronic equipment: Data processing	3			9,255
IG065	Incandescent lamp	71	5		839,981
IG066	Fluorescent lamp	11	1		196,618
IG069	Other electrical equipment - unclassified	44	1		288,393
	Smokers' Material and Open Flame				
IG071	Smoker's material: Cigarette, cigar, pipe, matches, lighter	740	68	19	8,249,384
IG072	Match, lighter: Not used in conjunction with smoking	753	40	5	11,237,801

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
IG073	Lamp	13	2		43,844
IG074	Candle, taper	48	9	2	525,377
IG075	Cutting torch	30	5		971,380
IG076	Welding equipment	38	4		1,754,440
IG077	Torch: Other than cutting, welding	90	3		1,436,578
IG078	Hot ashes, embers	109	7		2,389,611
IG079	Smoker's material or 'open' flame unclassified	52	1		504,521
	Exposure				
IG081	Structure: Attached	14	1		362,480
IG082	Structure: Detached	82	2		1,597,251
IG084	Outside storage container, tank	6			51,042
IG085	'Open' fire	68	2		761,063
IG086	Forest, tree	12			148,513
IG087	Grass, bush	39			434,338
IG089	Exposure - unclassified	47	3		272,001
	Miscellaneous				
IG090	Internal combustion engine	955	8		2,676,616
IG091	Heat treatment equipment	13			195,921
IG092	Industrial oven	6			909,747
IG094	Explosive	1			55,000
IG095	Fireworks	16			43,516
IG096	Bearing, belting, conveyor, brake	24			558,845
IG097	Machinery, equipment: Commercial and industrial	27	2		614,122
IG098	Chemical reaction	52	4		1,286,147
IG099	Igniting object - unclassified	198	2		2,210,818
	TOTALS	8,285	398	60	131,932,474
IN	INCIDENT REPORT				
IN006	Alarm fire: LAFC report updated by insurance report	1,467	123	11	35,723,903
IN007	No-alarm fire: LAFC report updated by insurance report	77	3		1,741,514
IN008	Alarm fire: Insurance report only	372			2,807,436
IN009	No-alarm fire: Insurance report only	1,242	1		4,279,922
IN010	Alarm fire: reported by LAFC only	4,819	257	47	79,925,769
IN011	No alarm fire: reported by LAFC only	308	14	2	7,453,930
	TOTALS	8,285	398	60	131,932,474
LI	LAST INSPECTED				
LI000	Unknown inspection date	2,191	25	12	25,834,027
LI001	Less than 30 days	136	15	2	6,161,111
LI002	31 to 60 days	190	24		7,005,730
LI003	61 to 90 days	239	42	3	6,737,509
LI004	91 to 180 days	233	31	2	7,664,132
LI005	6 to 12 months	182	18	5	12,321,908
LI006	13 to 24 months	76	2		5,963,929
LI007	25 to 36 months	30	3	4	2,065,529
LI008	Over 36 months	76	4		2,858,001
LI009	Not applicable inspection date	4,932	234	32	55,320,598
	TOTALS	8,285	398	60	131,932,474
LV	LEVEL ORIGIN				
LV000	Level of origin unknown	256	3		9,624,896
LV001	Basement, sub-basement	539	44	6	14,724,488

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
LV002	Crawl space, under structure	82	3		2,438,563
LV003	Ground floor, grade level	2,964	182	37	61,885,128
LV004	2nd storey	518	68	5	12,635,378
LV005	3rd storey	109	20		5,374,077
LV006	4th to 12th story, inclusive	71	11	3	708,374
LV007	Over 12 storeys	13	6		76,832
LV008	Roof level, includes concealed roof space, attic	248	21	6	7,452,551
LV009	Level of origin - not applicable	3,485	40	3	17,012,187
	TOTALS	8,285	398	60	131,932,474
MI	MATERIAL FIRST IGNITED				
MI000	Material first ignited unknown	1,562	53	4	40,355,104
MI001	Roof covering: Wood	89	13		2,618,660
	Structural Materials, Finish Materials				
MI002	Roof covering: Other than wood	23			171,707
MI003	Exterior wall covering,surface,finish	196	8	1	3,332,384
MI004	Exterior trim & appurtenance	32	3		1,123,325
MI005	Floor covering: Wood	72	3	1	3,231,286
MI006	Floor covering: Linoleum, tile, plastic	30	2		320,886
MI007	Floor covering: Carpet, rug	157	8		2,157,260
MI008	Structural component: Floor, ceiling, roof	122	9	8	4,403,435
MI009	Structural component: Wall	169	11	1	3,192,488
MI010	Interior wall covering: wood, fibreboard (high density)	214	10	1	5,941,262
MI011	Interior wall covering: fibreboard (low denisty)	56	1	3	1,813,774
MI012	Interior wall covering: plastic	10	1		257,273
MI013	Ceiling covering: wood, fibreboard (high density)	30	1		704,005
MI014	Ceiling covering: fibreboard (low denisty)	12		1	219,473
MI015	Ceiling covering: plastic	3			7,741
MI016	Insulation: Wood product	37	1		2,253,559
MI017	Insulation: Plastic	72			594,573
MI018	Insulation: Mineral	41	1		675,731
MI019	Structural components, finish materials - unclassified	59	1	2	890,231
	Furniture (upholstered)				
MI021	Furniture (upholstered)	356	33	20	5,254,214
MI022	Furniture: Wood (not upholstered)	42	2	1	2,867,371
MI023	Furniture: Plastic (not upholstered)	8			21,205
MI024	Ironing board	1			1,794
MI025	Mattress, pillow	104	8	1	660,846
MI026	Bedding	178	35	4	2,003,371
MI027	Drapery	35	6		668,312
MI028	Broom, mop, brush	9	2		29,622
MI029	Furniture, furnishings - unclassified	25	1		436,600
	Clothing, Textiles				
MI031	Clothing: Cotton, on a person	33	2		196,685
MI032	Clothing: Wool, on a person	4	4		10,995
MI033	Clothing: Synthetic fibre, on a person	53	5	2	985,901

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
MI034	Fabric: Cotton	40	1		451,300
MI035	Fabric: Wool	8			189,211
MI036	Fabric: Synthetic fibre	37			594,158
MI038	Tarpaulin	14			26,790
MI039	Clothing, textiles - unclassified	33		2	616,046
	Wood, Paper Products				
MI041	Wood	104	1	1	1,697,557
MI042	Wood shavings	72	2		3,535,973
MI044	Paper, packing material	77	5		1,305,442
MI045	Paper decoration	14			15,645
MI046	Wastepaper	108	4		1,524,906
MI047	Cardboard	68	1		1,046,236
MI048	Paper stock	102	4		1,908,684
MI049	Wood, paper products - unclassified	94	4		2,283,583
	Flammable, Combustible Liquids				
MI051	Gasoline	1,056	36	1	5,260,776
MI052	Fuel oil	60	3	1	1,709,928
MI053	Combustible liquid: Flashpoint 100F and over	66	2		908,999
MI054	Flammable liquid: Flashpoint less than 100F	31	9		1,057,378
MI055	Paint, varnish	24			264,441
MI056	Cooking oil, fat	502	42	2	3,721,229
MI057	Tar, asphalt	5			469,235
MI058	Polish, wax	13			45,917
MI059	Flammable liquids - unclassified	136	13	1	1,954,574
	Flammable Gases				
MI061	Natural gas	12	2		184,075
MI062	Propane/butane air mixture	30	5		1,416,192
MI063	Propane, butane, L.P.G	49	7		464,409
MI065	Acetylene	4			34,633
MI066	Hydrogen	3			5,880
MI069	Flammable gases - unclassified	13	2		137,248
	Chemicals, Plastics, Metals				
MI072	Cellulose nitrate	5	2		50,500
MI073	Plastics	184	2		1,076,786
MI075	Magnesium and alloys	1			200
MI077	Rubber, natural or synthetic	50	1		129,587
MI078	Ammonium nitrate	2			8,988
MI079	Chemicals - unclassified	31	1		489,110
	Agricultural, Forestry Products				
MI081	Fibres	14			536,239
MI082	Grain, flour, starch	8			38,125
MI083	Hay, straw	37	3		1,785,556
MI084	Tree, shrub	57		1	202,309
MI085	Felled timber	6			268,172
MI086	Grass, brush, leaves	78			319,772
MI087	Fertilizer, manure	2			900
MI088	Christmas tree	10	3		122,925
MI089	Agricultural, forestry products - unclassified	8			403,083
	Miscellaneous				
MI091	Coal, coke	5			4,508
MI092	Creosote deposits in chimney, flue	101	2		259,983

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
MI095	Insulation: Electric	511	7		2,483,032
MI096	Garbage, trash, rubbish	344	5	1	1,629,682
MI097	Oily rags	24	1		254,226
MI098	Artificial tree	1			1,000
MI099	Miscellaneous material - unclassified	197	4		1,636,273
	TOTALS	8,285	398	60	131,932,474
OA	AREA OF ORIGIN				
OA000	Area of origin unknown	324	7		12,030,818
	Means of Egress				
OA001	Hallway, corridor	92	7	2	1,785,201
OA002	Stairway, exterior	24			497,297
OA003	Stairway, interior	42	5	1	1,587,672
OA005	Lobby, entrance way	51	4	1	2,134,043
OA006	Elevator	8	2		293,047
OA009	Means of egress - unclassified	29			1,741,800
	Assembly, Family, Sales Area				
OA011	Large assembly area: Fixed seats	7			1,006,164
OA012	Large assembly area: Non-fixed seats	4	9		308,287
OA013	Small assembly area	15	1		2,475,036
OA014	Lounge, living room	756	62	23	13,748,465
OA015	Sales, show room area	11			875,309
OA017	Sports facility	2			23,250
OA018	Covered court, atrium, mall,concourse	1			3,000
OA019	Assembly, sales area - unclassified	5	1		449,674
	Function Area				
OA021	Sleeping (under 5 occupants)	429	68	10	6,351,249
OA022	Sleeping (5 or more occupants)	9	3		12,125
OA023	Dining area	46	8	1	2,262,073
OA024	Bar, beverage area	7			632,754
OA025	Washroom, locker room	92	6		1,641,701
OA026	Office	24			3,474,204
OA027	Laboratory	6			109,644
OA028	Display windows	2			13,371
OA029	Printing, photographic reproductn	4			139,340
OA030	Electronic equipoment communication room	3			28,855
OA031	Kitchen, cooking area	970	60	9	9,434,111
OA032	Laundry area	148	8	1	2,060,982
OA035	Electronic equipment room	8			28,452
OA036	Performance area	2			64,021
OA037	Backstage, dressing room	1			30,000
OA038	Process, manufacturing area	38	3		5,525,149
OA039	Function area - unclassified	50	1	2	2,455,315
	Storage Area (Inside Building)				
OA041	Product storage area	40	4		4,203,036
OA042	Closet, lockers	46	13		2,260,422
OA043	Supplies, equipment area	68	3		1,490,999
OA044	Records storage area	1			50
OA045	Shipping,receiving area,mail room	2			163,595
OA046	Trash, rubbish area	20			377,969
OA047	Vehicle (garage)	179	8		2,785,669
OA048	Agricultural products storage	28			1,380,403
OA049	Storage area - unclassified	94	8		2,196,872

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Service Facilities				
OA051	Dumbwaiter, conveyor shaft	6			13,718
OA052	Service shaft	5	5		663,259
OA053	Chute	1			500
OA054	Shipping, receiving area	1			2,487
OA055	Duct: Heating, air conditioning	4			398,928
OA057	Chimney: Masonry	101	2		489,408
OA058	Chimney: Factory built metal	102			1,232,057
OA059	Service facilities - unclassified	8	1		21,053
	Service and Equipment Area				
OA061	Machinery room	39	1		1,763,708
OA062	Heating equipment room	115	10		3,745,064
OA063	Transformer vault	7			187,722
OA064	Incinerator room	4	1		257,500
OA065	Maintenance shop	60	6		1,952,165
OA066	Paint shop	1			171,500
OA069	Service and equipment area - unclassified	30	1		636,491
	Structural Area				
OA071	Crawl space	67			1,426,528
OA072	Exterior balcony	56	3		558,904
OA073	Ceiling and floor assembly	37	2	2	1,957,360
OA074	Ceiling and roof/ceiling space	110	11	6	4,623,378
OA075	Wall assembly	85	6		1,217,169
OA076	Exterior wall	145	5		2,364,573
OA077	Exterior roof	82	6		1,475,410
OA078	Awning, canopy	4			3,850
OA079	Structural area - unclassified	34			1,104,488
	Vehicle Area				
OA082	Vehicle: Engine area	1,599	10		6,259,084
OA083	Vehicle: Fuel area	296	6		1,141,513
OA084	Vehicle: Control area	162	1		634,930
OA085	Vehicle: Passenger area	457	4	1	1,407,860
OA086	Vehicle: Cargo area	107	3		1,041,449
OA089	Vehicle area - unclassified	146	6		2,186,370
	Miscellaneous				
OA091	Open area	179	3		757,505
OA092	Court, patio, terrace	39	2		367,180
OA093	Parking area	42	2		164,981
OA094	Storage area	45	6		1,462,434
OA095	Trash, rubbish area	243			427,264
OA099	Outside area - unclassified	178	4	1	1,733,260
	TOTALS	8,285	398	60	131,932,474
PR	**PROPERTY CLASSIFICATION**				
	Assembly				
PR112	Motion picture theatre	1			150,000
PR114	Auditorium	2			200
PR122	Billiard centre	2			50
PR123	Ice rink	2			6,650
PR124	Amusement centre	2			100,300
PR125	Swimming facility	2			150
PR126	Ballroom, gymnasium	2			6,200
PR127	Exhibition hall, exposition hall	2			300

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR128	Arena, stadium	5			28,100
PR129	Amusement, recreation place - unclassified	8	1		307,551
PR132	Elementary school	26	3		2,659,842
PR133	High school	27			258,686
PR135	Industrial trade school	1			125,000
PR136	Business, secretarial, commercial school	1			2,000
PR137	Rehabilitation school	2			3,600
PR138	College, university	7			175,000
PR139	Educational facility - unclassified	4			1,520,100
PR141	Church, chapel	10			1,936,414
PR143	Church hall	9	5		310,895
PR144	Funeral parlour	2			5,500
PR151	City club	6			3,465
PR152	Country club	2			53,000
PR159	Social, sport club - unclassified	5			9,262
PR161	Library	1			200
PR162	Museum	1			500
PR164	Historic building	3			269,312
PR171	Restaurant	52	4		1,568,299
PR172	Night club	4			215,129
PR173	Tavern	3			2,500
PR174	Lunchroom, drive-in	11			64,350
PR179	Food or beverage establishment - unclassified	9	1		808,984
PR181	Airport passenger terminal	1			25,000
PR183	Bus terminal	1			154,000
PR184	Railway station	1	1		13,000
PR187	Marine passenger terminal	2			103,100
PR199	Miscelaneous assembly - unclassified	1			76,001
	Institutional				
PR211	Prison: Penitentiary for men	2			400
PR214	Reformatory, juvenile detention home	5			59,500
PR215	Adult detention camp	1			600
PR217	Police station, with lock-up facilities	2			
PR219	Prison, jail, reformatory - unclassified	1			4,000
PR221	Home for the aged with nursing staff	6	2		1,550
PR222	Home for the aged without nursing staff	2			5,000
PR229	Home for the aged - unclassified	2			6,524
PR233	Children's day care	2			5,965
PR241	Hospital	10			13,225
PR242	Sanatorium, sanatarium, nursing or convalescent home	1			8,073
PR244	Mental hospital	2			300
PR249	Hospital, sanatorium, clinic - unclassified	2			250
PR299	Miscellaneous institutional - unclassified	7			396,070

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Residential				
PR311	Dwelling year-round use (1-family)	2,609	146	36	45,725,284
PR312	Dwelling, seasonal use - in season (1-family)	25			416,616
PR313	Dwelling, seasonal use - off season (1-family)	12			417,162
PR314	Dwelling, year-round use (2-family)	154	21	4	2,136,698
PR315	Dwelling, seasonal use - in season (2-family)	2			15,919
PR316	Dwelling, farm (2-family)	1			40,000
PR317	Dwelling, farm (1-family	19	3		778,998
PR319	Dwelling, 1 & 2 family - unclassified	26	1	1	177,867
PR321	Apartment, townhouse: 1-2 units with business	14	1	2	367,079
PR322	Apartment, townhouse: 1-2 units without business	15		1	302,033
PR323	Apartment, townhouse: 3-20 units with business	70	9		914,045
PR324	Apartment, townhouse: 3-20 units without business	158	19	2	2,029,267
PR325	Apartment, townhouse: Over 20 units	265	54	7	4,498,400
PR329	Apartment, townhouse- unclassified	32	1		149,333
PR331	Rooming, boarding, lodging house: 4 to 8 roomers or boarders	10	4	2	198,987
PR332	Rooming, boarding, lodging house: 9 to 15 roomers or boarders	3	1		22,550
PR339	Rooming, boarding, lodging house - unclassified	4	2		46,500
PR341	Hotel, inn, lodge: Year-round use	76	18	1	2,194,576
PR342	Hotel, inn, lodge: seasonal use - in season	4			307,121
PR343	Hotel, inn, lodge: Seasonal use - off season	1			800,000
PR344	Hotel, inn, lodge: Transient dormitory type	2			4,050
PR349	Hotel, inn, lodge - unclassified	5			5,965
PR352	Motor hotel, motel: 3-20 units	15		2	353,115
PR353	Motor hotel, motel: Over 20 units	5			9,550
PR359	Motor hotel, motel - unclassified	4			87,725
PR361	Dormitory: School, college, university dormitory	3			1,200
PR362	Dormitory: Fraternity, sorority, social club dormitory	1			500
PR365	Dormitory: Convent, monastery or other religious dormitory	1			200
PR366	Dormitory: Bunkhouse and workers' barrack	1			60,000
PR371	Mobile home (1 or 2 family unit)	127	10		2,491,982
PR372	Houseboat	1	1		35,000
PR373	Travel trailer	38	2		354,307
PR374	Camping trailer	8			71,290
PR375	Motor home	40	1		499,856
PR376	Truck with camper	15			69,223
PR377	Tent	2			1,926
PR379	Mobile home, trailer - unclassified	68			526,961

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR391	Children's play house	1	1		
PR399	Residential miscellaneous - unclassified	20			205,188
	Business and Personal Service				
PR411	General business office	20			461,935
PR412	Civic, federal or provincial government office	3			1,175
PR413	Bank	5			9,802
PR414	Medical, health, research or scientific office	2			200
PR415	Engineering, architectural and technical office	2			112,909
PR416	Mailing, photocopy company office	1			500
PR417	Post office	1			150,000
PR419	Office - unclassified	6			100,366
PR421	Barber or hairdressing establishment	4			15,100
PR429	Personal service property - unclassified	2			8,832
PR431	Electronic data processing centre	1			500
PR439	Electronic equipment - unclassified	4			24,163
PR499	Misc. business and personal service - unclassified	9			865,133
	Mercantile				
PR511	Supermarket	4	1		1,178,550
PR512	Market, grocery store	12	1		1,791,697
PR513	Specialty food store	12			322,643
PR519	Food, beverage sale-unclassified	7			18,490
PR521	Clothing store	8	1		396,996
PR522	Clothing accessories, shoe store	1			63,250
PR526	Dry goods store	1			50
PR529	Textile, wearing apparel sale - unclassified	1			300
PR531	Furniture store	6	2		864,208
PR532	Appliance store	1	2		64,682
PR535	Wallpaper, paint store	1			80,083
PR539	Furniture, appliance hardware sales - unclassified	1			504
PR541	Book, stationery store	1			56,500
PR542	Newsstand, tobacco shop	2			800
PR547	Florist shop, greenhouse	2	6		103,867
PR549	Books, newspapers, drugs - unclassified	10			3,825
PR551	Hobby, toy shop	1			620,000
PR552	Sporting goods sales, bicycle sales and repairs	1			32,800
PR554	Garden supply store	4			50,209
PR557	Art supply sales	1			80,000
PR559	Recreation, hobby supplies - unclassified	2			16,500
PR561	Furniture repair or upholstery without sales	1			1,200
PR563	Laundry, self-service	1			5,000
PR564	Laundry, dry cleaner	2	1		2,000
PR566	Home maintenance service	2			74,126
PR567	Maintenance shop, general	8	1		299,598
PR569	Household repair service - unclassified	3	1		72,946

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR571	Service station; public	8			206,612
PR572	Service station; private	2			26,000
PR573	Motor vehicle repairs	21	2		694,418
PR574	Florist shop	7			156,447
PR578	Car wash facility	3			1,800
PR579	Motor vehicles, boats, sales and service - unclassified	38	3		543,143
PR581	Department store	6			127,300
PR582	Variety store - small	1			23,000
PR583	Variety store - large	1			2,500,000
PR585	Shopping mall - public Areas	3			5,079
PR589	Department, variety store - unclassified	2			21,881
PR592	Trade supply sales	1	1		290,491
PR593	Builders supply sales	4	2		2,018,895
PR599	Miscellaneous mercantile - unclassified	6			1,107,568
	Industrial Manufacturing Properties				
PR613	Plastic manufacture	1			27,500
PR617	Petroleum refineries	1			5,000
PR618	Asphalt, coal products manufacture	4			456,735
PR619	Chemicals, petroleum, paints,plastics manufacture - unclassified	1			40,000
PR621	Sawmill, planing mill	62	4		7,721,292
PR623	Wood, cork products manufacture	3			73,180
PR624	Furniture, bedding manufacture	6	1		792,614
PR625	Paper, pulp, paperboard manufacture	1			25,000
PR626	Paper, pulp, paperboard products manufacture	1			5,000
PR627	Newspaper, magazine, printing and publishing	1			24,579
PR628	Printing, publishing	2			182,578
PR629	Wood, furniture, paper, printing manufacturing - unclassified	7			660,369
PR632	Basic nonferrous metals manufacture	2			13,500
PR633	Basic metal products manufacturing	6	1		203,250
PR634	Machinery manufacture	5			74,894
PR635	Electrical and electronic machinery manufacture	1			250
PR636	Electrical and electronic appliance manufacture	3			2,200
PR639	Metal, metal products, electrical equip. man. - unclassified	2			38,908
PR641	Slaughtering, preparation, preserving of meat	2			41,040
PR643	Canning, preserving	1			5,000
PR644	Canning, preserving of fish, sea foods	1			250
PR645	Grain mill products manufacturing	2			286,500
PR646	Bakery product manufacturing	5	2		21,139
PR649	Food processing - unclassified	4	1		33,791
PR653	Breweries	1			200
PR672	Wearing apparel manufacturing	1			100
PR677	Rubber, rubber products manufacturing	1			1,700
PR681	Shipbuilding and repairing of vessels over 20m	2			4,000

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR682	Boatbuilding and repairing of vessels 20m and under	5			73,600
PR684	Motor vehicle manufacturing and assembly	1			20,000
PR689	Vehicles and related equipment - unclassified	24			75,273
PR691	Instrument manufacturing	1			4,000
PR696	Laundry and dry cleaning plant	4			43,350
PR697	Photographic film processing	1	1		1,000
PR699	Miscellaneous manufacturing - unclassified	7			698,207
	Industrial Storage Properties				
PR711	Seeds, beans, nuts, grain storage in bulk	9			309,595
PR712	Boxed,crated or packaged agricultural products storage	2			7,740
PR713	Loose or bagged agricultural products storage	1			3,000
PR715	Livestock storage	5			136,115
PR716	Agricultural supply storage	9			646,750
PR719	Agricultural products storage - unclassified	8			74,367
PR729	Textiles, fibres, clothing storage - unclassified	1			40
PR739	Processed food, beverage storage - unclassified	1			23,000
PR741	Flammable liquids tank storage	1	1		5
PR744	LP gas cylinders storage	2			260
PR749	Flammable liquids, gases, petroleum prod storage - unclassified	1			200
PR751	Lumberyards, building materials storage	8			1,352,902
PR752	Wood products storage	3			185,500
PR753	Furniture storage	2			3,559
PR755	Rolled paper, newsprint storage	8			4,085
PR756	Paper and paper products storage	3			3,530
PR757	Felled timber, log storage	2			25,800
PR759	Wood, furniture, paper and products storage - unclassified	1			683
PR761	Basic industrial chemicals storage	1			5,000
PR763	Plastics and plastic products storage	2	1		11,500
PR765	Paints and varnishes storage	1			2,002,355
PR767	Rubber, rubber products storage	2			4,943
PR768	Photographic films storage	1			15,971
PR769	Chemicals, plastics, paints storage - unclassified	1			11,809
PR772	Metal parts storage	2			173,000
PR773	Hardware stoporage	1			6,276
PR775	Electrical applinaces and supplies storage	1			78,500
PR777	Scrap and junkyards	2			7,425
PR781	Garage: Individual residential parking	142	2		1,014,013
PR782	Garage: General auto parking	9	2		56,213
PR783	Bus, truck and auto fleets storage	2			46,539
PR784	Heavy machine and equipment storage	3			207,633
PR785	Marinas, boat and ship storage	4			56,000
PR788	Fire stations	2	1		98,798
PR789	Vehicle storage - unclassified	4			323,554

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR791	General warehouse	14	2		357,822
PR798	Pier, wharf, storage in open area	3			5,055
PR799	Miscellaneous storage properties - unclassified	26			371,750
	Outdoor Property, Vehicles				
PR811	Brush, grass and light ground cover	20	1		35,798
PR813	Trees	29			36,945
PR814	Fences, poles, railroad ties	17			6,976
PR815	Trash and rubbish	223			50,303
PR819	Outdoor property - unclassified	53			106,190
PR821	Bridge, trestle, overpass, elevated road and railway	6			510,500
PR831	Buildings under construction	5			85,500
PR832	Buildings under demolition	4			133,626
PR833	Construction, other than buildings	1			30,590
PR835	Vacant property	20	5		276,190
PR836	Unoccupied property	9	2		160,100
PR837	Contractors' sheds	4			18,000
PR838	Building under major renovation	1			20,000
PR839	Under construction or demolition - unclassified	5			36,120
PR841	Motor craft (20m and under loa)	22	3		390,900
PR842	Vessel (under 1,000gt)	10			181,181
PR847	Non self-propelled vessel	1			15,000
PR848	Commercial fishing vessel	14			373,575
PR849	Watercraft - unclassified	22	1		265,486
PR851	Railway car: Passenger, diner	5			13,561
PR853	Railway car: Freight	1			12,500
PR854	Locomotive, engine, and other power unit	1			4,000
PR856	Roadbed maintenance equipment/car	1			2,500
PR857	Railway signalling and switch control equipment	1			150,000
PR859	Rail transport vehicle and equipment - unclassified	1			472
PR861	Automobile	2,113	17	1	3,701,627
PR862	Bus, trackless trolley	15			65,773
PR863	Truck, compressed or LP gas tank	3	2		11,056
PR864	Truck, flammable liquid,chemical tank	5			80,993
PR865	Truck, general	334	1		1,799,501
PR866	Motorcycle	25			37,632
PR867	Wagon, Non-motorized hauling vehicle	9	1		361,795
PR868	Industrial or commercial trailer	34	2		458,185
PR869	Ground transport vehicle - unclassified	67			542,808
PR871	Aircraft, private	4	1		54,010
PR881	Construction equipment	32	2		1,029,105
PR882	Farm tractor and equipment	16			94,058
PR883	Crane, mobile and fixed	3			553,000
PR884	Industrial truck: Fork lift and material handling	22			701,057
PR885	Drilling rig; petroleum, gas only	1			50,000
PR886	Snowmobile	3			6,522
PR889	Special vehicle - unclassified or unknown	51	1		1,827,339
PR899	Miscellaneous special - unclassified	1			43,500

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Miscellaneous				
PR911	Laboratory: Chemical, biological and medical	1			50
PR915	Laboratory: Electrical, electronic	2			13,076
PR917	Laboratory: General research	4			171,818
PR921	Poultry, egg production	6			530,748
PR923	Storage barn	20	2		360,878
PR924	Animal barn, cattel, pigs, horses	16			1,155,918
PR925	Crops, orchards, straw stacks	2			8,500
PR928	Farm silo	2			5,500
PR929	Farm facility - unclassified	13			233,086
PR931	Shed	68	2		338,606
PR932	Privy	6			6,400
PR935	Non-metallic mineral product manufacturing	3			1,700
PR937	Conveyor	1			100
PR938	Telephone booth	2			2,989
PR939	Miscellaneous outbuildings - unclassified	49			247,426
PR941	Electrical light and power generating plant	5			35,035
PR942	Electric light & power distribution system	6		1	28,900
PR945	Heating plant	2			12,591
PR946	Water supply system	2			2,500
PR947	Sanitary service	1			255,000
PR949	Utility - unclassified	7			74,488
PR954	Pottery, china, earthenware manufacturing	1			248,000
PR965	Stone, slate, clay, gravel, sand, quarry or pit	2			100,300
PR974	Telephone exchange	1			1,000,000
PR979	Communications - unclassified	1			14,262
PR983	Nuclear power producing property	1			1,000
PR996	Groundskeeping equipment	3			6,525
PR997	Snowblower	1			975
	TOTALS	8,285	398	60	131,932,474
SD	SMOKE DETECTOR ALARM OPERATION				
SD000	No smoke alarm installed	2,558	235	47	77,448,011
SD001	Alarm activated - assisted occupants in evacuating	297	40	3	8,410,293
SD002	Alarm activated - inaudible	16	1		2,150,413
SD003	Alarm activated - occupants unable to respond	20	1	1	1,749,162
SD004	Alarm activated - unnecessary to evacuate	234	16		2,768,194
SD005	Alarm activated - occupant action unknown	57	5	1	3,008,464
SD006	Alarm not activated - unsuitable location	82	2	1	713,712
SD007	Alarm not activated - no or dead battery	69	14	2	1,178,036
SD008	Alarm not activated - AC power not connected or off	15		1	317,472

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
SD009	Alarm not activated - mechanical failure	12			95,115
SD010	Alarm not activated - unknown	271	21	2	6,983,815
SD011	Not applicable eg outside area	2,984	62	2	18,356,070
SD099	Smoke alarm operation unknown	1,670	1		8,753,717
	TOTALS	8,285	398	60	131,932,474
SP	SPRINKLER PROTECTION				
SP000	Sprinkler protection unknown	1,647	1		9,543,232
SP001	Complete sprinkler protection - supervised or standard watchman	50	1		1,103,496
SP002	Complete sprinkler protection - alarm to fire department	29	2		86,749
SP003	Complete sprinkler protection - unsupervised, local alarms only	104	19	1	2,303,186
SP004	Partial sprinkler protection - supervised or standard watchman	24	1		763,846
SP005	Partial sprinkler protection - alarm to fire department	26	1		101,047
SP006	Partial sprinkler protection - unsupervised, local alarms only	135	26	6	3,194,966
SP007	No sprinkler protection	3,433	293	47	99,035,213
SP008	Not applicable, eg vehicle, outside area, etc.	2,828	54	6	15,661,429
SP009	Sprinkler protection - unclassified	9			139,310
	TOTALS	8,285	398	60	131,932,474
TI	TIME OF DAY				
TI000	Time 0000-0059 hrs	206	8	3	3,138,935
TI001	Time 0100-0159 hrs	330	19	5	6,982,598
TI002	Time 0200-0259 hrs	302	27	6	7,870,556
TI003	Time 0300-0359 hrs	258	16	5	5,284,401
TI004	Time 0400-0459 hrs	193	10	2	7,117,149
TI005	Time 0500-0559 hrs	193	13	5	5,865,182
TI006	Time 0600-0659 hrs	157	6		4,632,879
TI007	Time 0700-0759 hrs	172	21	8	5,354,203
TI008	Time 0800-0859 hrs	228	8	5	3,059,943
TI009	Time 0900-0959 hrs	244	23	2	4,053,614
TI010	Time 1000-1059 hrs	319	12	1	3,597,540
TI011	Time 1100-1159 hrs	347	13	2	3,907,922
TI012	Time 1200-1259 hrs	343	5		3,986,631
TI013	Time 1300-1359 hrs	384	16	2	4,120,181
TI014	Time 1400-1459 hrs	446	23		7,422,088
TI015	Time 1500-1559 hrs	430	11		5,105,010
TI016	Time 1600-1659 hrs	488	16	2	7,652,668
TI017	Time 1700-1759 hrs	462	24		3,444,980
TI018	Time 1800-1859 hrs	407	19	3	8,625,785
TI019	Time 1900-1959 hrs	370	21	1	3,858,743
TI020	Time 2000-2059 hrs	369	22		3,800,054
TI021	Time 2100-2159 hrs	343	18	3	6,242,688
TI022	Time 2200-2259 hrs	317	18	2	7,209,097
TI023	Time 2300-2359 hrs	332	28	3	6,088,566
TI099	Time unknown	645	1		3,511,061
	TOTALS	8,285	398	60	131,932,474
WD	WEEKDAYS				
WD001	Sunday	1,107	69	13	16,026,620
WD002	Monday	1,129	52	3	18,461,931
WD003	Tuesday	1,193	58	10	16,575,474
WD004	Wednesday	1,176	54	3	18,543,488

FIRE LOSSES IN BRITISH COLUMBIA, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
WD005	Thursday	1,138	46	3	17,108,151
WD006	Friday	1,217	67	15	18,010,234
WD007	Saturday	1,325	52	13	27,206,576
	TOTALS	8,285	398	60	131,932,474

CIRCUMSTANCES CONTRIBUTING TO FIRE CASUALTIES, 1985

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	CONDITIONS OF CASUALTY				
FC010	Condition of casualty unknown	102	125	13	5,881,014
FC011	Asleep at time of fire	54	58	16	2,500,377
FC012	Bedridden or other physical handicap	1		1	40,000
FC013	Impairment by alcohol, drugs or medication	29	17	16	1,016,858
FC014	Awake or no physical or mental impairment at time of fire	120	146	9	5,470,110
FC016	Too young to react to fire	2	1	2	717,436
FC017	Mental handicap (senile)	2	1	2	270,000
FC019	Condition of casualty - unclassified	45	50	1	4,073,680
	ACTION OF CASUALTY				
FC020	Action of casualty unknown	115	123	29	6,922,604
FC021	Injured while attempting to escape	35	41	2	4,314,999
FC022	Over exertion or heart attack	2	1	1	66,439
FC023	Voluntarily entered or remained for rescue purpose	15	15	2	560,645
FC024	Voluntarily entered or remained for fire fighting	98	129	1	7,051,426
FC025	Voluntarily entered or remained to save personal property	8	7	1	373,374
FC026	Loss of judgement or panic	20	14	6	596,089
FC027	Received delayed warning	11	13	3	1,106,887
FC028	Did not act	22	11	12	569,340
FC029	Action of casualty - unclassified	41	44	3	2,122,291
	IGNITION OF FABRIC				
FC030	Ignition of clothing or fabric not applicable	264	318	37	14,927,899
FC031	Outer clothing	29	30	4	1,021,537
FC032	Sleepwear	7	7	2	160,387
FC033	Underclothing	3	1	3	129,500
FC035	Bedding and bed linen	13	11	2	86,151
FC036	Mattress or pillow	6	6		153,763
FC037	Upholstered furniture	8	5	4	214,750
FC038	Rugs	2	4		32,000
FC039	Ignition of clothing or fabrics - unclassified	16	16	8	2,314,546
	TYPE OF FABRIC				
FC040	Type of fabric or material not applicable	261	318	46	15,110,232
FC041	Cotton	16	13	3	154,729
FC042	Wool	3	3		93,018
FC043	Other natural fibre	1	1		400
FC045	Synthetic fibre	18	16	4	186,405
FC046	Mixture fibres	20	18	5	369,679
FC048	Plastic or plastic foam	5	5		16,749
FC049	Type of fabric or material ignited - unclassified	20	24	2	1,664,221
	CAUSE OF FAILURE TO ESCAPE				
FC050	Cause of failure to escape unknown	129	147	30	7,785,652
FC051	Trapped by: Rapid spread of fire/ smoke through vertical openings	11	12	4	416,530
FC052	Trapped by: Rapid spread of fire/ smoke through horizontal openings	15	12	6	1,968,309
FC053	High flame spread of combustible finish of walls, ceilings or floors	15	10	7	730,120
FC054	Building collapse	3	4		219,918
FC055	Falling debris	2	2		98,080
FC056	Explosion	24	30	1	2,351,929
FC058	Outdoor fire includes forest, brush	3	3		6,520
FC059	Cause of failure to escape -	149	178	12	6,919,096

SUMMARY OF FIRE LOSSES BY PROPERTY GROUPS, 1985

PROPERTY GROUP	NO. OF FIRES	PERCENT OF TOTAL FIRES	$ LOSS	PERCENT OF TOTAL $ LOSS	INJURED	PERCENT OF TOTAL INJURED	DEAD	PERCENT OF TOTAL DEAD
Assembly								
Educational	68	0.8	4,744,228	3.6	3	0.8	0	0.0
Nightclub, tavern	7	0.1	217,629	0.2	0	0.0	0	0.0
Restaurant, eating establishment	72	0.9	2,441,633	1.9	5	1.3	0	0.0
Others	73	0.9	3,559,150	2.7	7	1.8	0	0.0
Institutional								
Home for aged	10	0.1	13,074	.0	2	0.5	0	0.0
Hospital, day-centre, home	17	0.2	27,813	.0	0	0.0	0	0.0
Others	18	0.2	460,570	0.3	0	0.0	0	0.0
Residential								
One- & two-family dwelling	2848	34.4	49,708,544	37.7	171	43.0	41	68.3
Apartment	554	6.7	8,260,157	6.3	84	21.1	12	20.0
Hotel, motel, rooming house	129	1.6	4,030,139	3.1	25	6.3	5	8.3
Dormitory, bunkhouse	6	0.1	61,900	.0	0	0.0	0	0.0
Mobile home,mobile camp	167	2.0	2,991,838	2.3	10	2.5	0	0.0
Recreational vehicle	47	0.6	460,797	0.3	4	1.0	0	0.0
Others	103	1.2	801,372	0.6	1	0.3	0	0.0
Business and personal service	60	0.7	1,750,615	1.3	0	0.0	0	0.0
Mercantile	199	2.4	13,923,458	10.6	24	6.0	0	0.0
Industrial manufacturing	172	2.1	11,655,999	8.8	10	2.5	0	0.0
Industrial storage	290	3.5	7,631,287	5.8	9	2.3	0	0.0
Outdoor property, pier, wharf	348	4.2	746,712	0.6	1	0.3	0	0.0
Watercraft	69	0.8	1,226,142	0.9	4	1.0	0	0.0
Rail transport and equipment	10	0.1	183,033	0.1	0	0.0	0	0.0
Automobile	2113	25.5	3,701,627	2.8	17	4.3	1	1.7
Other grd tranport & special vehicle	620	7.5	7,618,824	5.8	9	2.3	0	0.0
Aircraft	4	.0	54,010	.0	1	0.3	0	0.0
Remainder	281	3.4	5,661,923	4.3	11	2.8	1	1.7
TOTALS	8285	100.0	131,932,474	100.0	398	100.0	0 60	100.0

ARSON LOSSES BY PROPERTY GROUP, 1985

Property Group	No. of Arson Fires		% of arson fires in Prop Group	% of all arson fires in	Dollar Loss		% of all arson $ loss
	1984	1985	1985	1985	1984	1985	1985
Assembly							
Educational	42	40	58.8	3.3	3,769,171	1,244,785	5.7
Nightclub, tavern	3	2	28.5	0.2	350,160	1,550	.0
Restaurant, eating establishment	19	14	19.4	1.2	365,967	466,804	2.1
Others	24	38	52.0	3.2	3,004,649	1,821,966	8.4
Institutional							
Home for aged	3	2	20.0	0.2	400	2,100	.0
Hospital, day-centre, home	6	5	29.4	0.4	4,308	3,268	.0
Others	3	10	55.5	0.8	770,622	60,500	0.3
Residential							
One- & two-family dwelling	233	226	7.9	18.8	6,312,136	6,357,125	29.2
Apartment	104	102	18.4	8.5	4,006,802	1,248,323	5.7
Hotel, motel, rooming house	36	25	19.3	2.1	507,057	177,597	0.8
Dormitory, bunkhouse	5	1	16.6	0.1	0	200	.0
Mobile home,mobile camp	17	17	10.1	1.4	224,082	286,907	1.3
Recreational vehicle	9	8	17.0	0.7	188,121	62,900	0.3
Others	9	13	12.6	1.1	17,400	22,933	0.1
Business and personal service	36	26	43.3	2.2	3,134,815	763,264	3.5
Mercantile	58	60	30.1	5.0	3,517,518	4,433,004	20.3
Industrial manufacturing	17	21	12.2	1.7	5,779,741	1,840,248	8.4
Industrial storage	98	96	33.1	8.0	3,932,187	628,666	2.9
Outdoor property, pier, wharf	160	132	37.9	11.0	114,161	192,317	0.9
Watercraft	6	6	8.6	0.5	220,800	193,325	0.9
Rail transport and equipment	2	2	20.0	0.2	0	10,000	.0
Automobile	232	205	9.7	17.1	710,529	582,311	2.7
Other grd tranport & special vehicle	81	63	10.1	5.2	607,233	432,119	2.0
Aircraft	0	1	25.0	0.1	0	14,000	0.1
Remainder	71	86	30.6	7.2	514,262	943,265	4.3
TOTALS	1274	1201		100.0	38,052,121	21,789,477	100

LOSSES OF $500,000 AND OVER, 1985

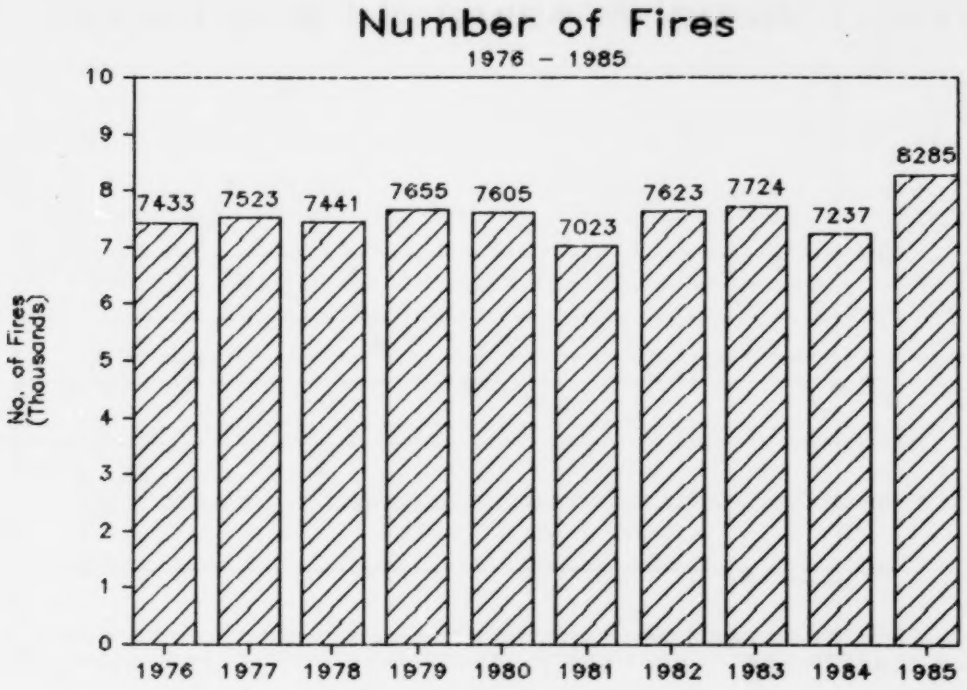
INCIDENT NO.	LOCATION	PROPERTY CLASSIFICATION	ACT OR OMISSION	$ LOSS	INJ	DEAD
CNO85020804	North Vancouver City	Church, chapel	Act or omission unknown	750,000	0	0
CPG85072022	Prince George	Lumberyards, building materials storage	Welding or cutting too close	500,000	0	0
CPR85072504	Prince Rupert	Paints/varnishes storage	Act or omission unknown	2,002,355	0	0
CVA850105181	Vancouver	Variety store - large	Part failure, leak, break	2,500,000	0	0
CVA850221183	Vancouver	Builders supply sales	Act or omission unknown	640,500	2	0
CVA850405211	Vancouver	Apartment, townhouse: Over 20 units	Act or omission unknown	1,388,147	11	0
CVA850505181	Vancouver	Hotel, inn, lodge: Year-round use	Act or omission unknown	576,559	4	0
CVA850520161	Vancouver	Educational facility	Act or omission unknown	1,500,000	0	0
CVE85082901	Vernon	Church, chapel	Arson or set fire - vandalism, mischief	1,000,000	0	0
CVE85103021	Vernon	Miscellaneous mercantile - unclassified	Suspected set fire - motive unknown or unclassified	663,000	0	0
CVI85072014	Victoria	Builders supply sales	Arson or set fire - vandalism, mischief	1,100,000	0	0
CVI85101602	Victoria	Lumberyards, building materials storage	Misuse of material ignited unclassified	720,002	0	0
DDE85061117	Delta	Hobby, toy shop	Mechanical or electrical failure unclassified	620,000	0	0
DLA85032006	Langley	Sawmill, planing mill	Act or omission unknown	628,000	0	0
DMR85052523	Maple Ridge	Sawmill, planing mill	Act or omission unknown	762,792	0	0
DMR85122109	Maple Ridge	Sawmill, planing mill	Suspected set fire - motive unknown or unclassified	1,335,000	2	0
DSA850406231	Saanich	Market, grocery store	Act or omission unknown	650,000	0	0
RBN85040507	Bulkely-Nechako R.D. Non-municipal Areas	Dwelling	Installed too close to combustibles	700,000	4	6
RCL85033106	Columbia-Shuswap R.D. Non-municipal Areas	Food or beverage establishment	Part failure, leak, break	700,000	1	0
RCL85082416	Columbia-Shuswap R.D. Non-municipal Areas	Sawmill, planing mill	Act or omission unknown	1,286,441	0	0
RCS851224041	Comox-Strathcona R.D. Non-municipal Areas	Hotel, inn, lodge: Seasonal use - off season	Act or omission unknown	800,000	0	0
RCV85100705	Cowichan Valley R.D. Non-municipal Areas	Sawmill, planing mill	Act or omission unknown	1,000,000	0	0
RKI85052614	Kitimat-Stikine R.D. Non-municipal Areas	Telephone exchange	Act or omission unknown	1,000,000	0	0
RPL85090922	Peace River-Liard R.D. Non-municipal Areas	Elementary school	Act or omission unknown	1,200,000	0	0
TGO85113002	Golden	Furniture store	Act or omission unknown	650,000	0	0
VFO85031307	Fort Nelson	Supermarket	Act or omission unknown	1,178,000	1	0
VSJ851013051	Fort St James	Apartment, townhouse: Over 20 units	Act or omission unknown	600,000	0	1
	27 INCIDENTS			26,450,796	25	7

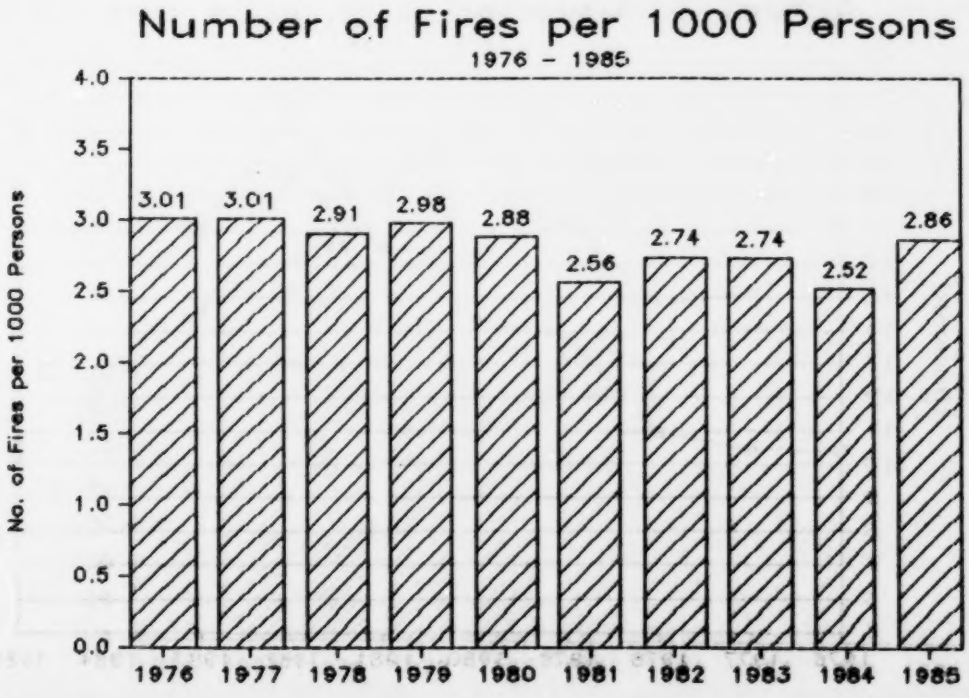
10-YEAR PROPERTY FIRE LOSS COMPARISON, 1976 - 1985

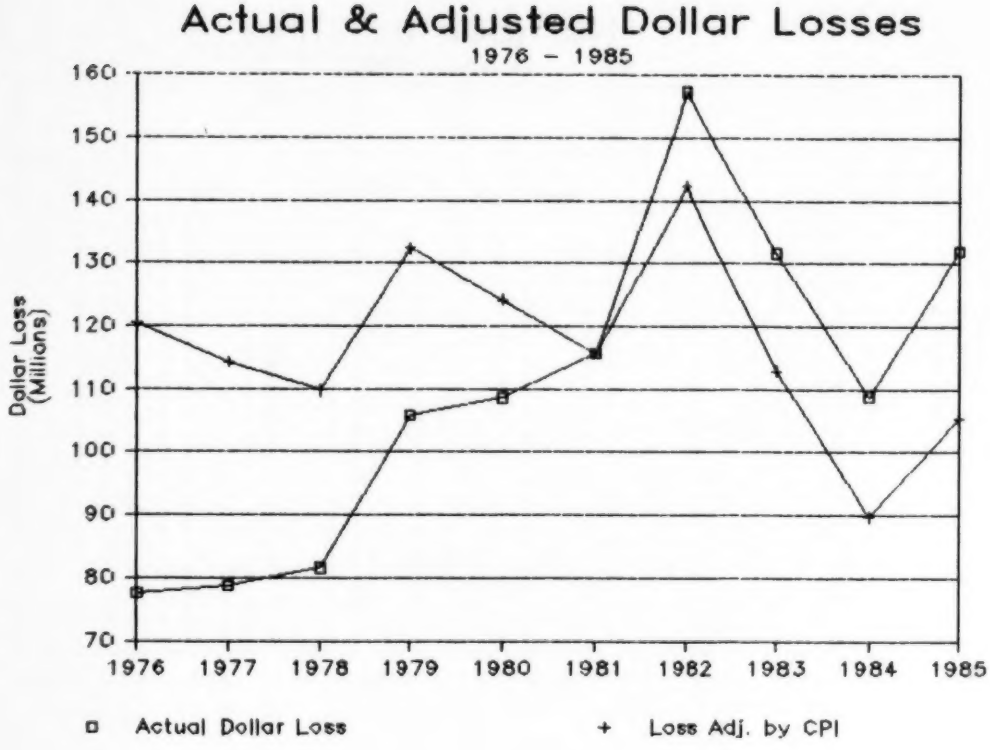
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
No. of Fires	7,433	7,523	7,441	7,655	7,605	7,023	7,623	7,724	7,237	8,285
Dollar Loss	$77,566,724	$78,746,492	$81,596,417	$105,900,046	$108,664,176	$115,709,786	$157,296,688	$131,659,496	$108,859,185	$131,932,474
Loss per Fire	$10,435	$10,467	$10,966	$13,834	$14,289	$16,476	$20,634	$17,046	$15,042	$15,924
Population (thousands)*	2466.6	2497.6	2555.8	2566.9	2636.0	2744.0	2783.0	2823.9	2870.7	2892.5
No. of Fires/1000 Persons	3.01	3.01	2.91	2.98	2.88	2.56	2.74	2.74	2.52	2.86
Per Capita Loss	$31.45	$31.53	$31.93	$41.26	$41.22	$42.17	$56.52	$46.62	$37.92	$45.61
CPI Adjustment Factor#	0.643	0.689	0.743	0.800	0.875	1.000	1.105	1.166	1.213	1.252
Loss Adjusted by CPI	$120,632,541	$114,290,990	$109,820,211	$132,375,058	$124,187,630	$115,709,786	$142,349,944	$112,915,520	$89,743,763	$105,377,375
Loss/Fire adj. by CPI	$16,229	$15,192	$14,759	$17,293	$16,330	$16,476	$18,674	$14,619	$12,401	$12,719
Per Capita Loss adjusted by CPI	$48.91	$45.76	$42.97	$51.57	$47.11	$42.17	$51.15	$39.99	$31.26	$36.43
Persons Injured	382	376	420	444	308	244	375	404	396	398
Fire Deaths	110	94	98	125	77	76	73	83	79	60
Deaths/100,000 Persons	4.46	3.76	3.83	4.87	2.92	2.77	2.62	2.94	2.75	2.07

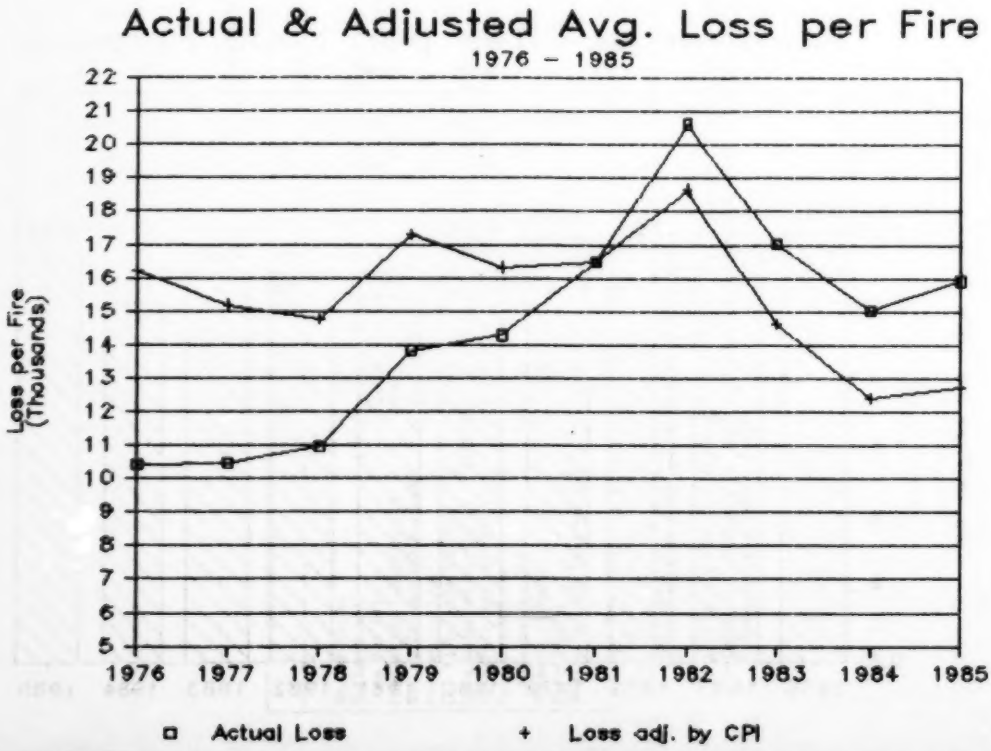
* Population statistics were provided by Statistics Canada. The figures for 1976 and 1981 are actual census figures. The others are estimates by Statistics Canada.

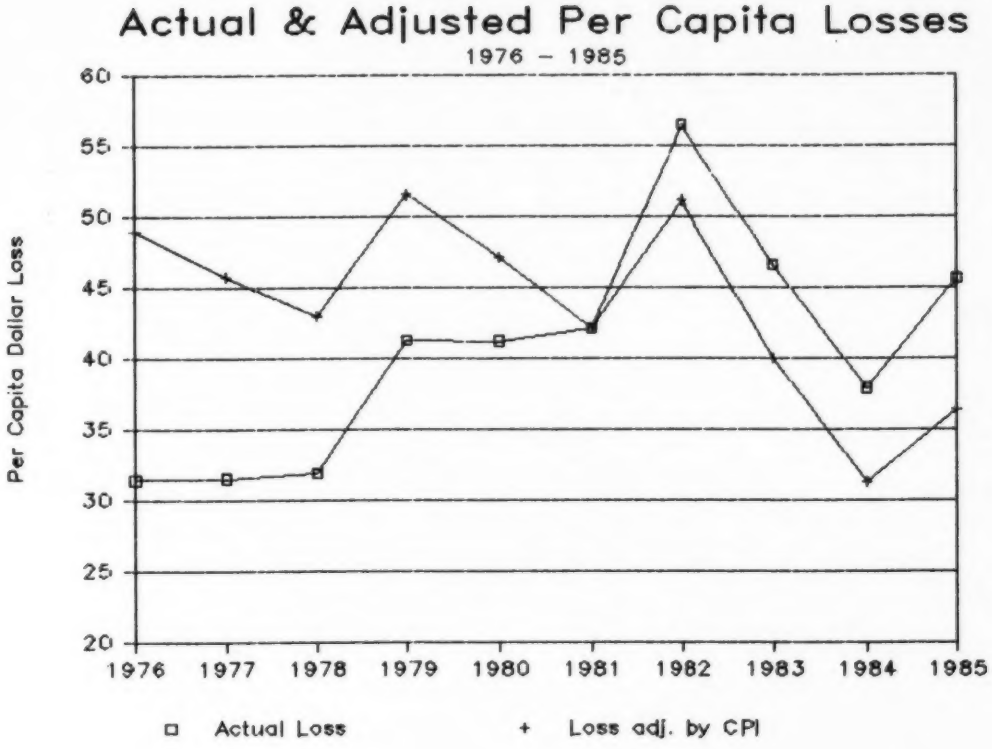
Adjustment Factor. In an effort to get a more realistic picture of losses over the years, some form of adjustment factor is necessary to take inflation into consideration. We chose the Consumer Price Index for Vancouver with 1981 = 1.000

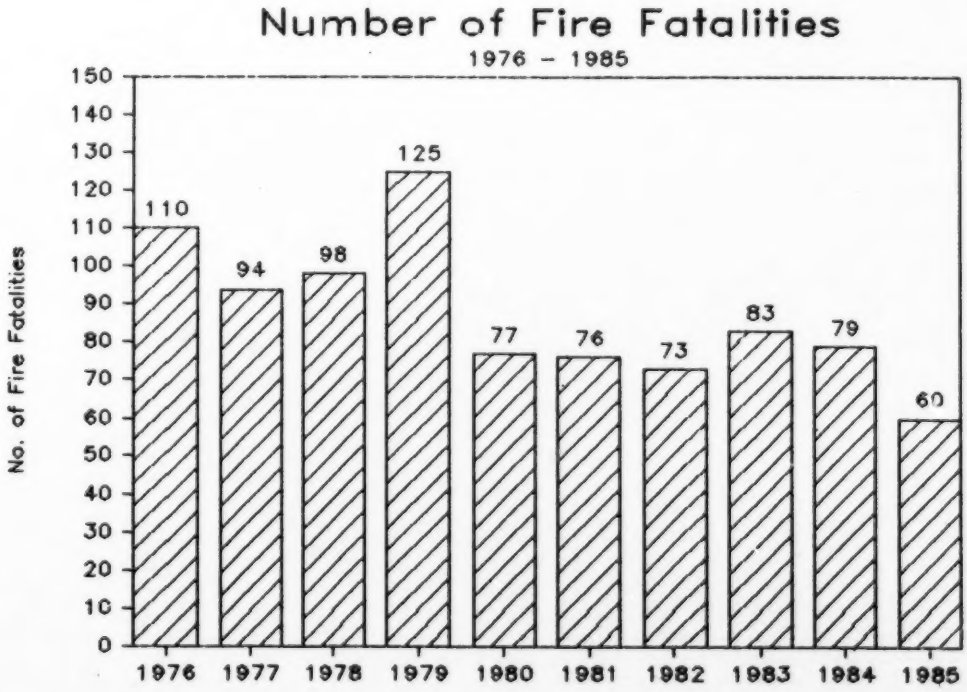

Number of Fires
1976 – 1985
No. of Fires (Thousands)
10
9
8
7
6
5
4
3
2
1
0
7433
7523
7441
7655
7605
7023
7623
7724
7237
8285
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


Number of Fires per 1000 Persons
1976 – 1985
No. of Fires per 1000 Persons
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3.01
3.01
2.91
2.98
2.88
2.56
2.74
2.74
2.52
2.86
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


Actual & Adjusted Dollar Losses
1976 - 1985
Dollar Loss (Millions)
160
150
140
130
120
110
100
90
80
70
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
Actual Dollar Loss
Loss Adj. by CPI


Actual & Adjusted Avg. Loss per Fire
1976 - 1985
Loss per Fire (Thousands)
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
Actual Loss
Loss adj. by CPI


Actual & Adjusted Per Capita Losses
1976 - 1985
Per Capita Dollar Loss
60
55
50
45
40
35
30
25
20
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
Actual Loss
Loss adj. by CPI


Number of Fire Fatalities
1976 - 1985
No. of Fire Fatalities
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
110
94
98
125
77
76
73
83
79
60
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985